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DEPT. OF AGRICULTURE
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PARENT SERIAL RECORDS



WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
WYOMING

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE,
and
STATE ENGINEER of WYOMING

Data included in this report were obtained by the agencies
named above in cooperation with the Bureau of Reclamation,
U.S. Forest Service, National Park Service, and other Federal,
State and private organizations.

|||||| AS OF |||||
MAY 1, 1963

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

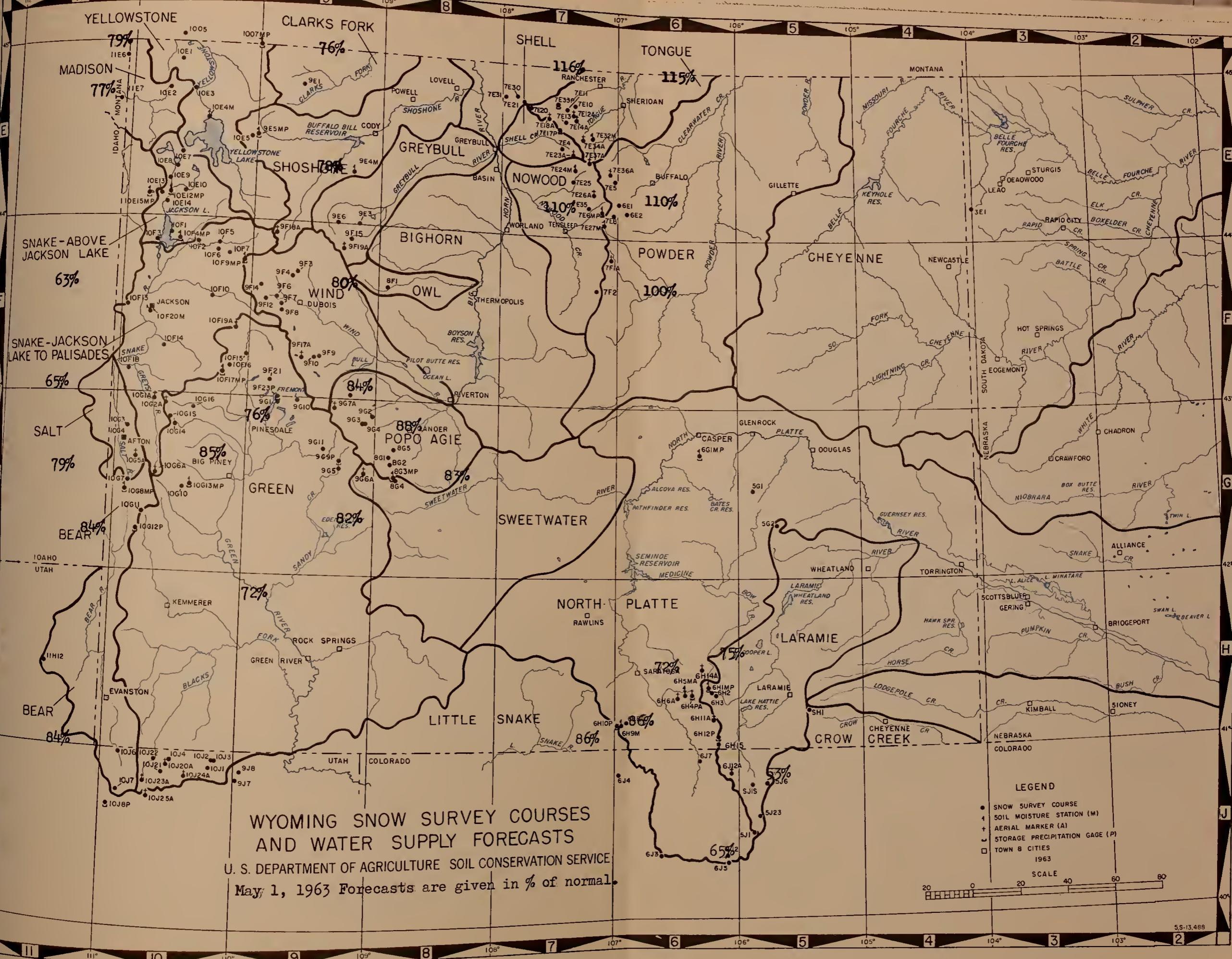
Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Water Supply Forecasting Unit, Soil Conservation Service, P.O. Box 4170, Portland 8, Oregon.

PUBLISHED BY SOIL CONSERVATION SERVICE

<u>REPORTS</u>	<u>ISSUED</u>	<u>LOCATION</u>	<u>COOPERATING WITH</u>
RIVER BASINS			
WESTERN UNITED STATES			
MONTHLY (FEB.-MAY)	PORTLAND, OREGON	ALL COOPERATORS	
STATES			
ALASKA	MONTHLY (MAR.-MAY)	PALMER, ALASKA	ALASKA S.C.D.
ARIZONA	SEMI-MONTHLY (JAN.15 - APR.1)	PHOENIX, ARIZONA	SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORADO AND NEW MEXICO	MONTHLY (FEB.-MAY)	FORT COLLINS, COLORADO	COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
IDAHO	MONTHLY (JAN.-JUNE)	BOISE, IDAHO	IDAHO STATE RECLAMATION ENGINEER
MONTANA	MONTHLY (JAN.-JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
NEVADA	MONTHLY (JAN.-MAY)	RENO, NEVADA	NEVADA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
OREGON	MONTHLY (JAN.-JUNE)	PORTLAND, OREGON	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	MONTHLY (JAN.-JUNE)	SALT LAKE CITY, UTAH	UTAH STATE ENGINEER
WASHINGTON	MONTHLY (FEB.-JUNE)	SPOKANE, WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	MONTHLY (FEB.-JUNE)	CASPER, WYOMING	WYOMING STATE ENGINEER

PUBLISHED BY OTHER AGENCIES

<u>REPORTS</u>	<u>ISSUED</u>	<u>AGENCY</u>
BRITISH COLUMBIA	MONTHLY (FEB.-JUNE)	WATER RIGHTS BR., DEPT. OF LANDS, FORESTS AND NATURAL RESOURCES, PARLIAMENT BLDG., VICTORIA, B.C., CANADA
CALIFORNIA	MONTHLY (FEB.-MAY)	CALIF. DEPT. OF WATER RESOURCES, P.O. BOX 388, SACRAMENTO, CALIF.



INDEX TO WYOMING SNOW COURSES

DRAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	LOCATION						DRAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	LOCATION						DRAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	LOCATION									
		SEC.	ELEV.	LAT.	TWP.	RANGE	RECORD	MEAS.	MEAS.	SEC.	ELEV.	LAT.	TWP.	RANGE	RECORD	MEAS.	MEAS.	SEC.	ELEV.	LAT.	TWP.	RANGE	RECORD	MEAS.	MEAS.		
MISSOURI RIVER DRAINAGE																											
MAISON RIVER										PONDER RIVER																	
Norris Basin	10E2	7500	44 44'		110	42'	1936	2,3,4,5	2	Bear Trap	7F1A	8000	10	45N	85W	1960	2,3,4,5	1	Arlizona	10F1	6850	35	46N	115W	1919	2,3,4	
21 Mile m	11E6	7150	1	115	56		1934	1,2,3,4,5	1	Canyon Creek	7F2	7480	16	43N	86W	1960	2,3,4,5	1	Astor Creek	10E8	7700	14 17'	46N	110 37'	1919	2,3,4	5
West Yellowstone m	11E7	6700	34	135	56		1934	1,2,3,4,5	1	Clouds Peak	7E36A	10000	15	51N	85W	1960	2,3,4	1	Base Camp	10F2	6900	20	46N	113W	1947	2,3,4	2
YELLOWSTONE										County Line	7E6MP	8200	1	48N	86W				Coulter Creek	10E10	7600	14 09'	46N	110 33'	1919	2,3,4	2
Canyon	10E3	7750	44 44'		110	30'	1938	1,2,3,4,5	1	Muddy Creek G.S.	6E2	7800	2	48N	84W	1956	2,3,4,5	1	Glade Creek	10E13	7200	14 08'	46N	110 14'	1919	2,3,4	2
Cooke City m	1007NP	7400	33	95	14E		1937	1,2,3,4,5	2	Munkres Pass	7E8	9710	11	48N	85W	1950	2,3,4,5	1	Grassy Lake	10E15MP	7265	6	48N	116W	1940	2,3,4,5	5
Crevice Mountain m	1005	8400	22	95	9E		1935	3,4	4	Onion Gulch	7E27H	8110	31	48N	85W	1956	2,3,4,5	1,6	Huckleberry Divide	10E14	7300	32	48N	115W	1919	2,3,4	5
East Entrance	9E5MP	7000	44 29'		110	00'	1948	1,2,3,4,5	2	Soldier Park	7E5	8700	36	51N	85W	1950	2,3,4,5	1,6	Lewis Lake Divide	10E9	7900	14 13'	46N	110 40'	1919	2,3,4	5
Lake Camp #2	10E1M	7850	44 34'		110	24'	1937	1,2,3,4,5	1	Sour Dough	6E1	8500	17	49N	84W	1936	2,3,4,5	1,6	Moran	10F4MP	6800	6,17	45N	114W	1919	2,3,4	2
Lupine Creek	10E1	7300	44 51'		110	37'	1938	1,2,3,4,5	2									Moran Bay	10F3	6800	14	45N	116W	1919	2,3,4	2	
Thumb Divide	10E7	7900	44 22'		110	35'	1946	2,3,4	5									Snake River Station	10E12MP	6780	14 08'	46N	110 40'	1919	2,3,4	5	
Sylvan Pass	10E5	7100	44 28'		110	02'	1956	1,2,3,4,5	2									Thumb Divide	10E7	7900	14 22'	46N	110 35'	1951	2,3,4	5	
CLARK'S FORK																		JACKSON LAKE TO PALISADES									
Lodgepole	9E1	8200	32	56N	106W		1940	2,3,4,5	1,4									Afton R.S.	10E4	6200	30	32N	118W	1936	1,2,3,4,5	4	
WIND RIVER																		Blackrock	10F7	8600	4	31N	111W	1936	2,3,4	5	
Big Warm	9F12	8800	36	42N	109W		1955	2,3,4,5	1									Blind Bull Summit	10E2A	8750	6	31N	115W	1948	2,3,4	1	
Burroughs Creek	9F4	8800	15	43N	107W		1948	2,3,4,5	1									Bryan Flat	10F14	6250	9	38N	115W	1936	1,2,3,4,5	1,4	
Oinwoodie	9F10	10000	8	3N	6W		1948	2,3,4,5	1,3									CCC Camp	10E7	7500	9	29N	118W	1936	1,2,3,4,5	1,4	
Oinwoodie Glaciers	9F17A	10500	43 16'		109	38'	1959	2,3,4	1									Cottonwood Lake	10E5A	7500	25	31N	118W	1936	2,3,4	1	
Dry Creek	9F9	9500	10	3N	6W		1948	2,3,4,5	1,3									Deadman Ranch	10E1A	6534	32	35N	116W	1936	2,3,4	1	
DuNoir	9F6	8750	27	42N	108W		1940	2,3,4,5	1									East Rim Olivedale	10F17MP	7950	32	37N	111W	1936	1,2,3,4,5	1,4	
Geiser Creek	9F7	8500	12	41N	108W		1948	2,3,4,5	1									Four Mile Meadows	10F6	7770	35	45N	112W	1936	2,3,4,5	5	
Little Warm	9F8	9500	24	41N	108W		1948	2,3,4,5	1									Grey's Boundary	10F18	5800	33	37N	118W	1936	1,2,3,4,5	1,4	
Sheridan R.S. #2	9F14	7500	3	42N	109W		1955	2,3,4,5	1									Gros Ventre	10F19	8750	56	40N	111W	1948	2,3,4,5	1	
T-Cross Ranch	9F3	8000	1	43N	107W		1940	2,3,4,5	1									Grover Park Divide	10E3	7500	27	33N	118W	1936	1,2,3,4,5	1,4	
Togwotee Pass	10F9MP	9600	29	44N	110W		1936	2,3,4,5	5									Loomis Park	10F16	8500	14	37N	111W	1936	2,3,4,5	1,4	
POPO AGIE RIVER																		Polson Meadows	10E6	8500	29	30N	116W	1949	2,3,4,5	1,4	
Blue Ridge	8E2	9500	23	31N	101W		1939	2,3,4,5	1									Teton Pass #2	10F13	8500	24	41N	118W	1936	1,2,3,4,5	1,4	
Bruce's Camp	8E5	6500	24	32N	101W		1955	2,3,4	1									Togwotee Pass	10F9MP	9600	29	44N	110W	1936	2,3,4,5	5	
Hobbs Park	9E3	10000	22	25	3W		1948	2,3,4,5	1,3									Turpin Meadows	10F5	6930	14	45N	112W	1936	2,3,4	5	
Mosquito Park R.S.	9E6	9500	23	2S	3W		1940	2,3,4,5	1									Yellowjacket	10F10	7675	33	42N	112W	1936	2,3,4,5	4	
Sawmill Glade	8G1	8500	3	31N	101W		1939	2,3,4,5	1									Salt River Summit	10E6MP	7900	32	29N	118W	1948	1,2,3,4,5	1,4	
South Pass	8E3MP	9000	13	30N	101W		1939	2,3,4,5	1									Snow King Mtn. #3	10F20M	7600	4	40N	116W	1959	Semi. Mo.	1	
St. Lawrence R.S.	9F11	9000	26	1N	4W		1940	2,3,4,5	1,3																		
Trout Creek	9E2	8400	5	2S	2W		1948	2,3,4,5	1,3																		
Twenty Lakes	9G7A	10500	22	1S	5W		1959	2,3,4	1																		
OWL CREEK																		JEWELL RIVER									
Owl Creek	8F1	8700	36	43N	101W		1948	2,3,4,5	1																		
GREYBULL RIVER																											
Frontier Needle	9E6	10000	28	47N	104W		1961	2,3,4	1																		
Kirwin	9F19A	11000	13	45N	104W		1960	2,3,4	1																		
Wood River #2	9F15	8000	28	46N	103W		1956	2,3,4,5	1																		
Timber Creek #2	9E3	8800	25	47N	103W		1955	2,3,4,5	1																		
SHOSHONE RIVER																		JEWELL RIVER above GREEN RIVER									
Carter Mountain	9E4M	7800	15	50N	103W		1957	1,2,3,4	1																		
East Entrance	9E5MP	7000	44 29'		110	00'	1948	1,2,3,4,5	1																		
Sylvan Pass	10E5	7100	44 28'		110	02'	1936	1,2,3,4,5</																			

a. Numerals 1,2,3,4 and 5 refer to January 1, February 1, March 1, April 1, and May 1.

b. Numerals refer to Agency that secures the snow survey, as follows:

- | | |
|---------------------------------|--------------------------------|
| 1. Soil Conservation Service. | c. Colorado snow courses. |
| 2. U. S. National Park Service. | m. Montana snow courses, |
| 3. U. S. Indian Service. | sd. South Dakota snow courses. |
| 4. U. S. Forest Service. | u. Utah snow courses, |
| 5. U. S. Bureau of Reclamation. | A. Aerial Snow Depth Gage |
| 6. Wyoming State Engineer. | M. Soil Moisture Stack |
| | B. Pearson Storage Gage |

FEDERAL STATE COOPERATIVE
SNOW SURVEYS AND WATER FORECASTS
FOR
WYOMING

Issued
May 1, 1963

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WATER SUPPLY OUTLOOK
FOR
WYOMING

May 1, 1963

THE NORTH PLATTE

The anticipated flow from the North Platte watershed is 65 percent of normal at the Wyoming-Colorado state line, 86 percent from the Sierra Madres above Encampment and 80 per cent from the west flank of the Snowies. This is a total of 415,000 acre feet of water flowing past Saratoga, which is 72 per cent of the 661,000 acre feet average. The Medicine Bow is estimated at 75 per cent of normal. The Laramie River is expected to discharge 55 per cent of normal at Jelm. Wheatland reservoir storage is 64,000 acre feet.

THE GREEN RIVER

Seasonal flow in the Green is ranging from a forecast of 76 per cent at Warren Bridge to 72 per cent at Fontenelle, Wyoming. North Piney Creek has a streamflow expectancy of 85 per cent and New Fork Creek near Boulder will drain 71 percent of average from its watershed. Big & Little Sandy are forecast at 82 per cent of normal.

THE SNAKE RIVER

Snow storage above Moran indicates a release of 63 per cent of the 1943-57 average inflow into Jackson Lake. Present storage is 631,000 acre feet, which is 25 per cent above normal. Down stream, the flow into Palisades reservoir will be close to 65 per cent of normal. Snow melt on the Salt River drainage is expected to yield 79 per cent of average into Palisades, and the Grey's River, 69 per cent.

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...and the other two were the same as the first.

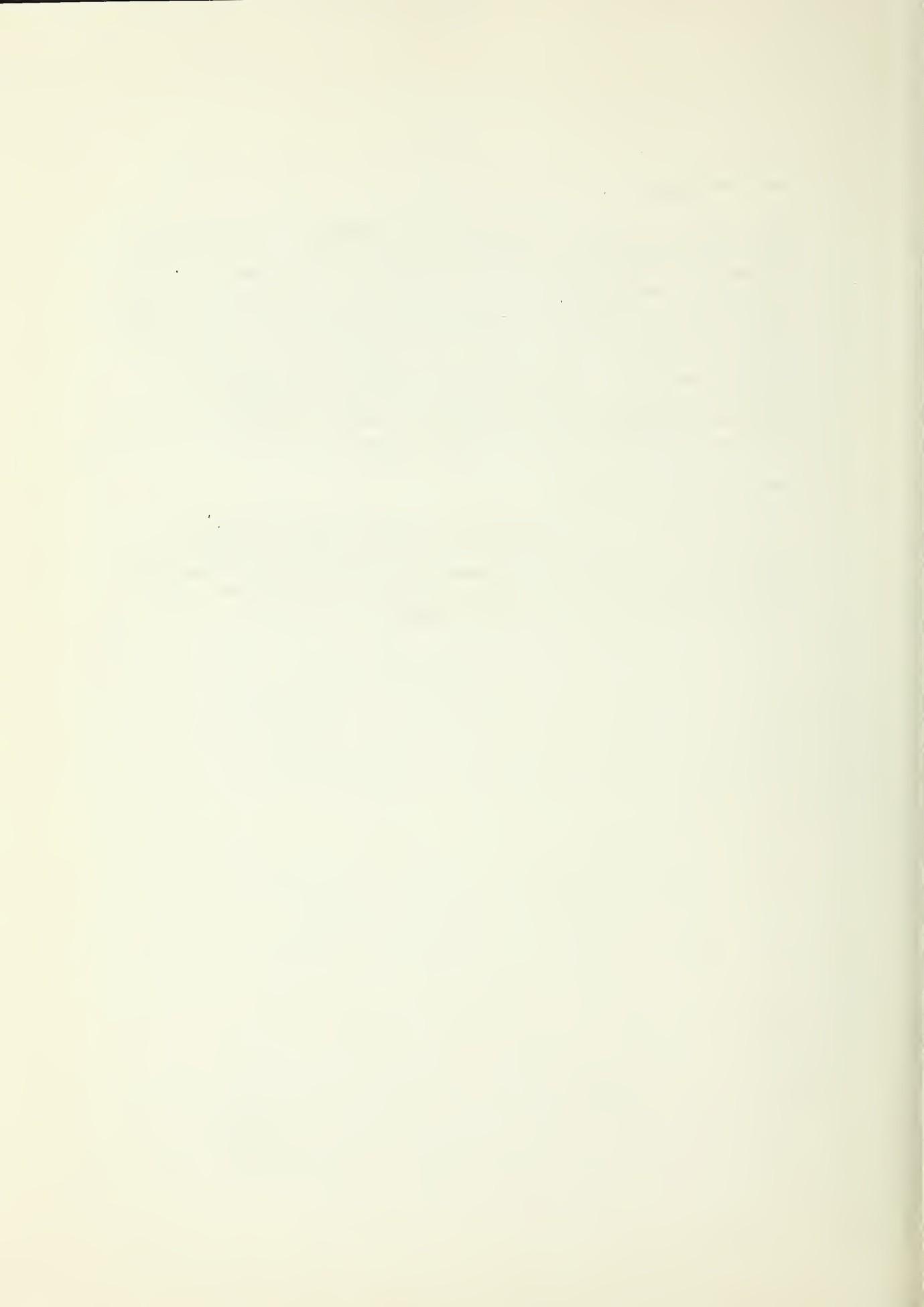
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THE WIND RIVER

May 1 snow surveys in the Wind River Range have also found a snow pack containing less than adequate storage. The forecast of seasonal supplies at DuBois is 80 per cent of normal. Estimates are lower at Lander, with anticipated yields of 83 per cent from the Little Popo Agie, and 88 per cent from the North Popo Agie. Bull Lake Creek is expected to yield 8½ per cent of the average supplies, however, Bull Lake reservoir is standing at 90,800 acre feet. The high elevation snow data indicates a storage that will release 78 per cent of average snow melt supplies into Buffalo Bill reservoir, which contains 58 per cent of normal contents for this time of year.

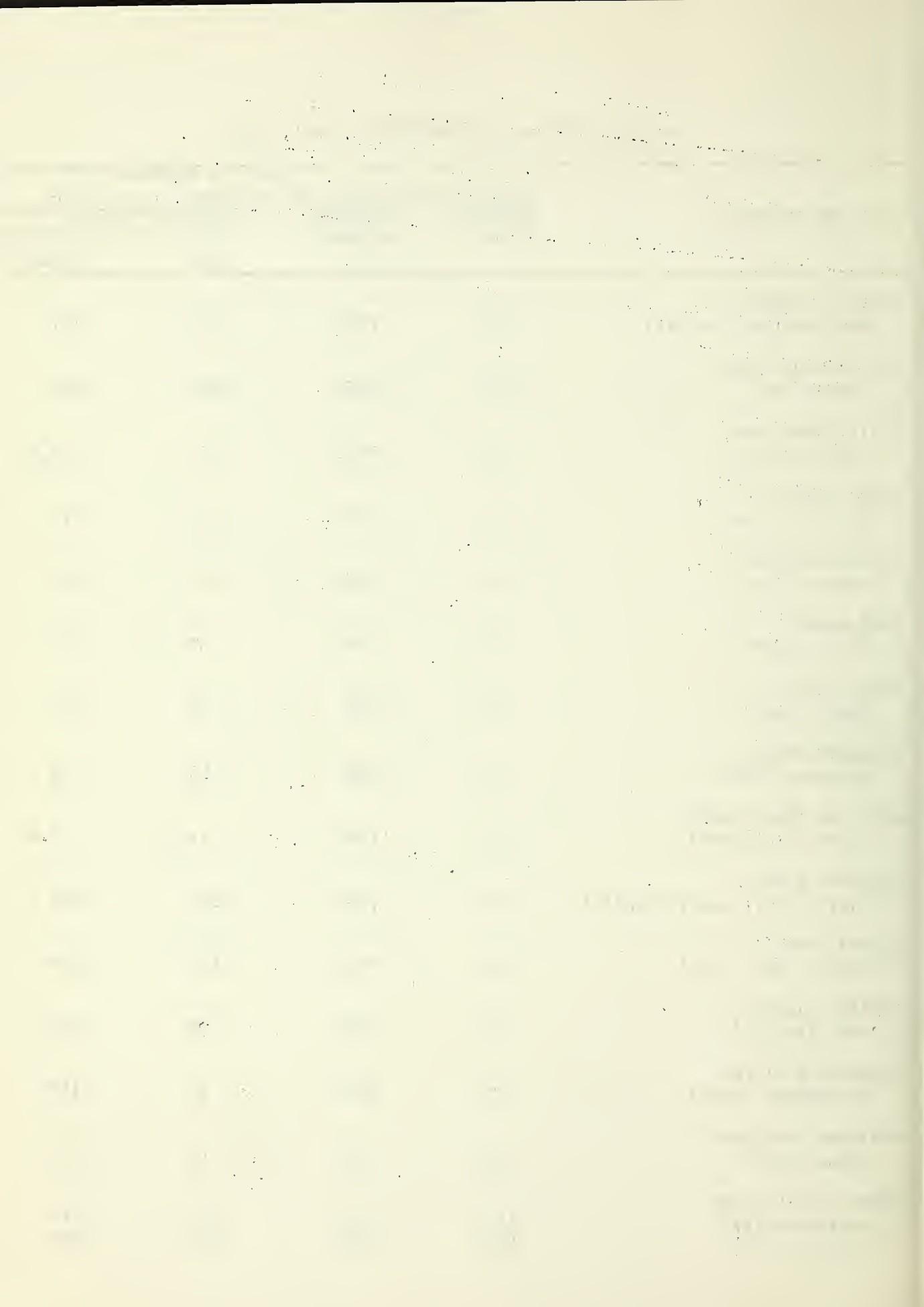
THE BIG HORN MOUNTAINS

In the Big Horns, Soil Conservation Service snow surveyors obtained data that is materially above the May 1 average. The April 1 to September 30 snow melt water supply is computed to be 115 per cent on the north slopes and 100-110 per cent flowing from the southern watersheds.



WYOMING STREAM-FLOW FORECASTS, MAY 1, 1963

BASIN AND TRIBUTARY	May 1 - September 30			
	Seasonal Stream-Flow in Thousands of Acre Feet		Measured Runoff 1961	15-Yr. Avg. 1943-57
	Forecast Runoff	% 15-Year Average		
MADISON RIVER West Yellowstone (at)	144	77%	161	187
YELLOWSTONE RIVER Corwin (at)	1480	79%	1305	1888
LITTLE POPO AGIE Lander (near)	32	83%	23	38.5
NORTH POPO AGIE Milford (near)	63	88%	56	72
BULL LAKE CREEK Lenore (near)	135	84%	131	161
WIND RIVER DuBois (near)	74	80%	57	93
SHELL CREEK Shell (near)	79	116%	45	68
TENSLEEP CREEK Tensleep (near)	83	109%	49	76
MEDICINE LODGE CREEK Hyattville (near)	24	113%	12.8	21.2
SHOSHONE RIVER Buffalo Bill Dam (below) (1)	630	78%	429	808
CLARK'S FORK Chance, Mont. (at)	450	76%	435	590
LARAMIE RIVER Jelm (at) (2)	59	55%	95	108
ENCAMPMENT RIVER Encampment (near)	127	86%	72	147
MEDICINE BOW RIVER Hanna (near)	59	75%	40	79
NORTH PLATTE RIVER Northgate (at)	104	65%	174	215
	415	72%	361	577



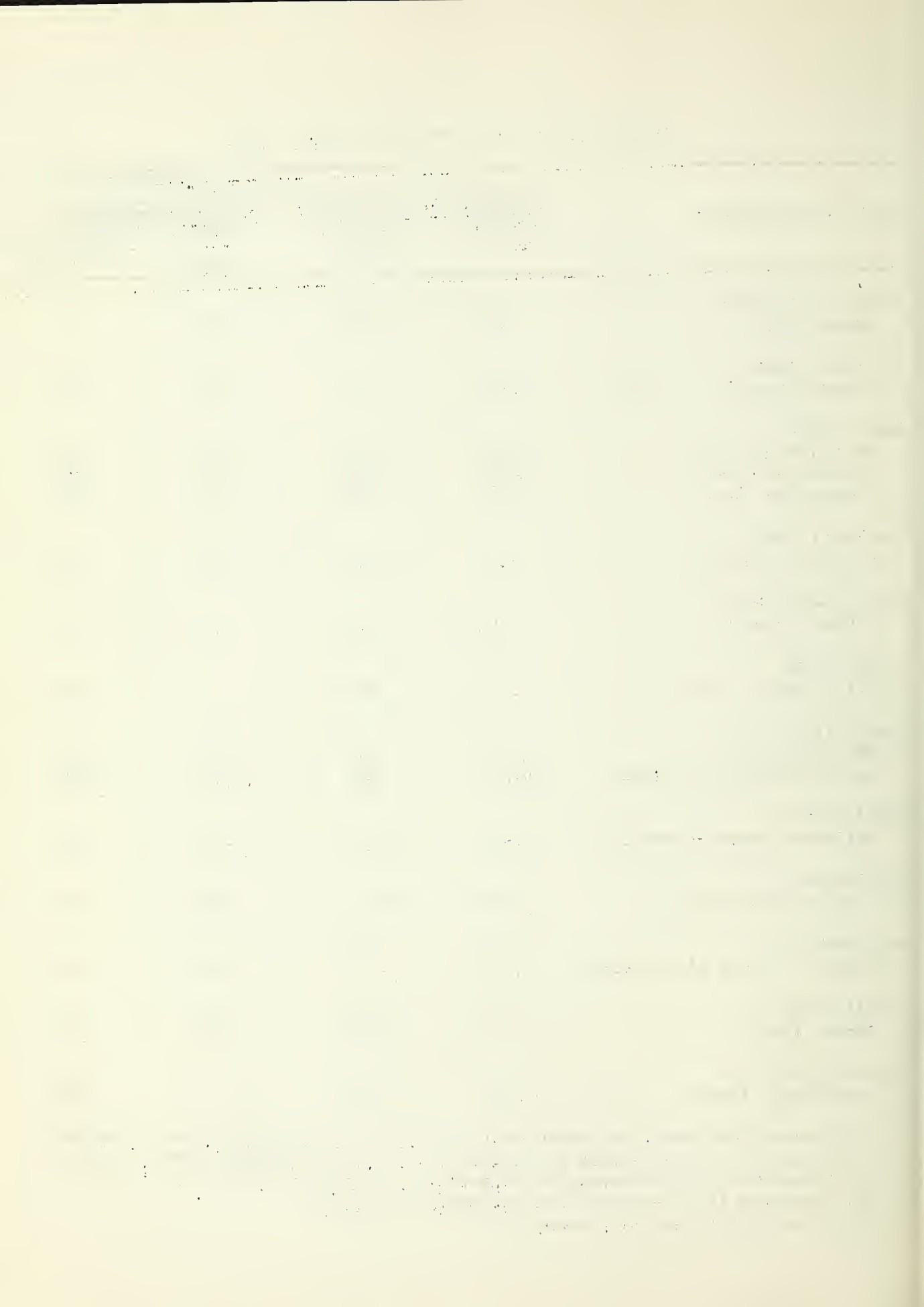
WYOMING STREAM-FLOW FORECASTS, MAY 1, 1963

BASIN AND TRIBUTARY	May 1 - September 30 Seasonal Stream-Flow in Thousands of Acre Feet				
	Forecast Runoff	% 15-Year Average	Measured Runoff		
			1961	15-Yr. Avg.	1943-57
NORTH PINEY CREEK Mason (at)	33	85%	19		39
NEW FORK RIVER Boulder (near)	174	71%	84		246
GREEN RIVER Warren Bridge (at) Fontenelle (near) Green River (at)	250 635 775	76% 72% 72%	210 351 343		330 887 1080
BIG SANDY CREEK Big Sandy (near)	46	82%	27		56
LITTLE SANDY CREEK Elkhorn (near)	11.5	82%	7		14
LITTLE SNAKE Lilly, Colo. (at)	132	46%			289
SNAKE RIVER Moran (at) (3) Ab. Reservoir Nr. Alpine	556 1710	63% 55%	641 1810		881 2620
GREY'S RIVER Palisades above reservoir	230	69%	202		332
SALT RIVER Etna above reservoir	212	79%	129		267
BEAR RIVER Utah-Wyo. State Line (near)	97	84%	62		116
SMITH'S FORK Border (near)	91	84%	73		108
BLACK'S FORK Green River (near)	105	65%			162

All Stream data taken from observed flow records with the following exceptions.

- (1) Observed flow corrected for Buffalo Bill storage and Heart Mtn. diversion.
- (2) Observed flow corrected for Colorado diversion above station.
- (3) Observed flow corrected for Jackson Lake storage.

* Less than 15 years of record.



STATUS OF WYOMING RESERVOIR DATA

May 1, 1963

BASIN and/or STREAM	RESERVOIR	USABLE CAPACITY 1000's AF	USABLE STORAGE - 1000's AF.			1943-57 15-Yr.
			1963	1962	1961	
Snake River	Jackson	847.0	631	250.9	148.5	503.3
Snake River	Palisades	1,202.0	1191	985.2	703.0	738.6#
Snake River	Grassy Lake	15.2		10.0	7.5	13.4
North Platte	Seminoe	981.8	372	291.5	62.6	428.4
North Platte	Pathfinder	1,011.0	452	327.2	233.2	631.4
North Platte	Alcova**	30.3	25.6	13.7	28.1	
North Platte	Guernsey	39.8	30.0	20.9	30.7	28.5
North Platte	Glendo	786.3	423	421.0	319.4	358.4#
Laramie River	Wheatland	95.0	64	76.8	20.7	44.1e
Belle Fourche	Keyhole	190.3	68	0.2	2.7	10.8
Shoshone River	Buffalo Bill***	380.3	134	164.5	117.5	230.3
Wind River	Boysen	560.0	331	134.5	92.7	183.0*
Wind River	Pilot Butte	31.6	30.2	28.4	27.4	23.0
Wind River	Bull Lake	152.0	90.8	84.1	56.5	53.5
Green River	Big Sandy	38.3	12.1	13.2	8.0	13.6#
Greybull River	Sunshine	53.0	51.5	N.R.		

* Average is for less than 15 years of record in the 1943-57 period.

** Alcova downstream from Seminoe and Pathfinder includes 160,170 acre feet of storage that is unavailable to the Kendrick Project. In the future, storage in this reservoir will be held at usable capacity (190,500 acre feet.)

*** Usable capacity 439,800 however, 59,500 acre feet are inactive except in emergency.

e Estimated average.

All past data.

TABLE II
TESTS OF SIGNIFICANCE

C	X₁	X₂	X₃	X₄	X₅	X₆	X₇	X₈	X₉	X₁₀	X₁₁	X₁₂	X₁₃	X₁₄	X₁₅	X₁₆	X₁₇	X₁₈	X₁₉	X₂₀	X₂₁	X₂₂	X₂₃	X₂₄	X₂₅	X₂₆	X₂₇	X₂₈	X₂₉	X₃₀	X₃₁	X₃₂	X₃₃	X₃₄	X₃₅	X₃₆	X₃₇	X₃₈	X₃₉	X₄₀	X₄₁	X₄₂	X₄₃	X₄₄	X₄₅	X₄₆	X₄₇	X₄₈	X₄₉	X₅₀	X₅₁	X₅₂	X₅₃	X₅₄	X₅₅	X₅₆	X₅₇	X₅₈	X₅₉	X₆₀	X₆₁	X₆₂	X₆₃	X₆₄	X₆₅	X₆₆	X₆₇	X₆₈	X₆₉	X₇₀	X₇₁	X₇₂	X₇₃	X₇₄	X₇₅	X₇₆	X₇₇	X₇₈	X₇₉	X₈₀	X₈₁	X₈₂	X₈₃	X₈₄	X₈₅	X₈₆	X₈₇	X₈₈	X₈₉	X₉₀	X₉₁	X₉₂	X₉₃	X₉₄	X₉₅	X₉₆	X₉₇	X₉₈	X₉₉	X₁₀₀	X₁₀₁	X₁₀₂	X₁₀₃	X₁₀₄	X₁₀₅	X₁₀₆	X₁₀₇	X₁₀₈	X₁₀₉	X₁₁₀	X₁₁₁	X₁₁₂	X₁₁₃	X₁₁₄	X₁₁₅	X₁₁₆	X₁₁₇	X₁₁₈	X₁₁₉	X₁₂₀	X₁₂₁	X₁₂₂	X₁₂₃	X₁₂₄	X₁₂₅	X₁₂₆	X₁₂₇	X₁₂₈	X₁₂₉	X₁₃₀	X₁₃₁	X₁₃₂	X₁₃₃	X₁₃₄	X₁₃₅	X₁₃₆	X₁₃₇	X₁₃₈	X₁₃₉	X₁₄₀	X₁₄₁	X₁₄₂	X₁₄₃	X₁₄₄	X₁₄₅	X₁₄₆	X₁₄₇	X₁₄₈	X₁₄₉	X₁₅₀	X₁₅₁	X₁₅₂	X₁₅₃	X₁₅₄	X₁₅₅	X₁₅₆	X₁₅₇	X₁₅₈	X₁₅₉	X₁₆₀	X₁₆₁	X₁₆₂	X₁₆₃	X₁₆₄	X₁₆₅	X₁₆₆	X₁₆₇	X₁₆₈	X₁₆₉	X₁₇₀	X₁₇₁	X₁₇₂	X₁₇₃	X₁₇₄	X₁₇₅	X₁₇₆	X₁₇₇	X₁₇₈	X₁₇₉	X₁₈₀	X₁₈₁	X₁₈₂	X₁₈₃	X₁₈₄	X₁₈₅	X₁₈₆	X₁₈₇	X₁₈₈	X₁₈₉	X₁₉₀	X₁₉₁	X₁₉₂	X₁₉₃	X₁₉₄	X₁₉₅	X₁₉₆	X₁₉₇	X₁₉₈	X₁₉₉	X₂₀₀	X₂₀₁	X₂₀₂	X₂₀₃	X₂₀₄	X₂₀₅	X₂₀₆	X₂₀₇	X₂₀₈	X₂₀₉	X₂₁₀	X₂₁₁	X₂₁₂	X₂₁₃	X₂₁₄	X₂₁₅	X₂₁₆	X₂₁₇	X₂₁₈	X₂₁₉	X₂₂₀	X₂₂₁	X₂₂₂	X₂₂₃	X₂₂₄	X₂₂₅	X₂₂₆	X₂₂₇	X₂₂₈	X₂₂₉	X₂₃₀	X₂₃₁	X₂₃₂	X₂₃₃	X₂₃₄	X₂₃₅	X₂₃₆	X₂₃₇	X₂₃₈	X₂₃₉	X₂₄₀	X₂₄₁	X₂₄₂	X₂₄₃	X₂₄₄	X₂₄₅	X₂₄₆	X₂₄₇	X₂₄₈	X₂₄₉	X₂₅₀	X₂₅₁	X₂₅₂	X₂₅₃	X₂₅₄	X₂₅₅	X₂₅₆	X₂₅₇	X₂₅₈	X₂₅₉	X₂₆₀	X₂₆₁	X₂₆₂	X₂₆₃	X₂₆₄	X₂₆₅	X₂₆₆	X₂₆₇	X₂₆₈	X₂₆₉	X₂₇₀	X₂₇₁	X₂₇₂	X₂₇₃	X₂₇₄	X₂₇₅	X₂₇₆	X₂₇₇	X₂₇₈	X₂₇₉	X₂₈₀	X₂₈₁	X₂₈₂	X₂₈₃	X₂₈₄	X₂₈₅	X₂₈₆	X₂₈₇	X₂₈₈	X₂₈₉	X₂₉₀	X₂₉₁	X₂₉₂	X₂₉₃	X₂₉₄	X₂₉₅	X₂₉₆	X₂₉₇	X₂₉₈	X₂₉₉	X₃₀₀	X₃₀₁	X₃₀₂	X₃₀₃	X₃₀₄	X₃₀₅	X₃₀₆	X₃₀₇	X₃₀₈	X₃₀₉	X₃₁₀	X₃₁₁	X₃₁₂	X₃₁₃	X₃₁₄	X₃₁₅	X₃₁₆	X₃₁₇	X₃₁₈	X₃₁₉	X₃₂₀	X₃₂₁	X₃₂₂	X₃₂₃	X₃₂₄	X₃₂₅	X₃₂₆	X₃₂₇	X₃₂₈	X₃₂₉	X₃₃₀	X₃₃₁	X₃₃₂	X₃₃₃	X₃₃₄	X₃₃₅	X₃₃₆	X₃₃₇	X₃₃₈	X₃₃₉	X₃₄₀	X₃₄₁	X₃₄₂	X₃₄₃	X₃₄₄	X₃₄₅	X₃₄₆	X₃₄₇	X₃₄₈	X₃₄₉	X₃₅₀	X₃₅₁	X₃₅₂	X₃₅₃	X₃₅₄	X₃₅₅	X₃₅₆	X₃₅₇	X₃₅₈	X₃₅₉	X₃₆₀	X₃₆₁	X₃₆₂	X₃₆₃	X₃₆₄	X₃₆₅	X₃₆₆	X₃₆₇	X₃₆₈	X₃₆₉	X₃₇₀	X₃₇₁	X₃₇₂	X₃₇₃	X₃₇₄	X₃₇₅	X₃₇₆	X₃₇₇	X₃₇₈	X₃₇₉	X₃₈₀	X₃₈₁	X₃₈₂	X₃₈₃	X₃₈₄	X₃₈₅	X₃₈₆	X₃₈₇	X₃₈₈	X₃₈₉	X₃₉₀	X₃₉₁	X₃₉₂	X₃₉₃	X₃₉₄	X₃₉₅	X₃₉₆	X₃₉₇	X₃₉₈	X₃₉₉	X₄₀₀	X₄₀₁	X₄₀₂	X₄₀₃	X₄₀₄	X₄₀₅	X₄₀₆	X₄₀₇	X₄₀₈	X₄₀₉	X₄₁₀	X₄₁₁	X₄₁₂	X₄₁₃	X₄₁₄	X₄₁₅	X₄₁₆	X₄₁₇	X₄₁₈	X₄₁₉	X₄₂₀	X₄₂₁	X₄₂₂	X₄₂₃	X₄₂₄	X₄₂₅	X₄₂₆	X₄₂₇	X₄₂₈	X₄₂₉	X₄₃₀	X₄₃₁	X₄₃₂	X₄₃₃	X₄₃₄	X₄₃₅	X₄₃₆	X₄₃₇	X₄₃₈	X₄₃₉	X₄₄₀	X₄₄₁	X₄₄₂	X₄₄₃	X₄₄₄	X₄₄₅	X₄₄₆	X₄₄₇	X₄₄₈	X₄₄₉	X₄₅₀	X₄₅₁	X₄₅₂	X₄₅₃	X₄₅₄	X₄₅₅	X₄₅₆	X₄₅₇	X₄₅₈	X₄₅₉	X₄₆₀	X₄₆₁	X₄₆₂	X₄₆₃	X₄₆₄	X₄₆₅	X₄₆₆	X₄₆₇	X₄₆₈	X₄₆₉	X₄₇₀	X₄₇₁	X₄₇₂	X₄₇₃	X₄₇₄	X₄₇₅	X₄₇₆	X₄₇₇	X₄₇₈	X₄₇₉	X₄₈₀	X₄₈₁	X₄₈₂	X₄₈₃	X₄₈₄	X₄₈₅	X₄₈₆	X₄₈₇	X₄₈₈	X₄₈₉	X₄₉₀	X₄₉₁	X₄₉₂	X₄₉₃	X₄₉₄	X₄₉₅	X₄₉₆	X₄₉₇	X₄₉₈	X₄₉₉	X₅₀₀	X₅₀₁	X₅₀₂	X₅₀₃	X₅₀₄	X₅₀₅	X₅₀₆	X₅₀₇	X₅₀₈	X₅₀₉	X₅₁₀	X₅₁₁	X₅₁₂	X₅₁₃	X₅₁₄	X₅₁₅	X₅₁₆	X₅₁₇	X₅₁₈	X₅₁₉	X₅₂₀	X₅₂₁	X₅₂₂	X₅₂₃	X₅₂₄	X₅₂₅	X₅₂₆	X₅₂₇	X₅₂₈	X₅₂₉	X₅₃₀	X₅₃₁	X₅₃₂	X₅₃₃	X₅₃₄	X₅₃₅	X₅₃₆	X₅₃₇	X₅₃₈	X₅₃₉	X₅₄₀	X₅₄₁	X₅₄₂	X₅₄₃	X₅₄₄	X₅₄₅	X₅₄₆	X₅₄₇	X₅₄₈	X₅₄₉	X₅₅₀	X₅₅₁	X₅₅₂	X₅₅₃	X₅₅₄	X₅₅₅	X₅₅₆	X₅₅₇	X₅₅₈	X₅₅₉	X₅₆₀	X₅₆₁	X₅₆₂	X₅₆₃	X₅₆₄	X₅₆₅	X₅₆₆	X₅₆₇	X₅₆₈	X₅₆₉	X₅₇₀	X₅₇₁	X₅₇₂	X₅₇₃	X₅₇₄	X₅₇₅	X₅₇₆	X₅₇₇	X₅₇₈	X₅₇₉	X₅₈₀	X₅₈₁	X₅₈₂	X₅₈₃	X₅₈₄	X₅₈₅	X₅₈₆	X₅₈₇	X₅₈₈	X₅₈₉	X₅₉₀	X₅₉₁	X₅₉₂	X₅₉₃	X₅₉₄	X₅₉₅	X₅₉₆	X₅₉₇	X₅₉₈	X₅₉₉	X₆₀₀	X₆₀₁	X₆₀₂	X₆₀₃	X₆₀₄	X₆₀₅	X₆₀₆	X₆₀₇	X₆₀₈	X₆₀₉	X₆₁₀	X₆₁₁	X₆₁₂	X₆₁₃	X₆₁₄	X₆₁₅	X₆₁₆	X₆₁₇	X₆₁₈	X₆₁₉	X₆₂₀	X₆₂₁	X₆₂₂	X₆₂₃	X₆₂₄	X₆₂₅	X₆₂₆	X₆₂₇	X₆₂₈	X₆₂₉	X₆₃₀	X₆₃₁	X₆₃₂	X₆₃₃	X₆₃₄	X₆₃₅	X₆₃₆	X₆₃₇	X₆₃₈	X₆₃₉	X₆₄₀	X₆₄₁	X₆₄₂	X₆₄₃	X₆₄₄	X₆₄₅	X₆₄₆	X₆₄₇	X₆₄₈	X₆₄₉	X₆₅₀	X₆₅₁	X₆₅₂	X₆₅₃	X₆₅₄	X₆₅₅	X₆₅₆	X₆₅₇	X₆₅₈	X₆₅₉	X₆₆₀	X₆₆₁	X₆₆₂	X₆₆₃	X₆₆₄	X₆₆₅	X₆₆₆	X₆₆₇	X₆₆₈	X₆₆₉	X₆₇₀	X₆₇₁	X₆₇₂	X₆₇₃	X₆₇₄	X₆₇₅	X₆₇₆	X₆₇₇	X₆₇₈	X₆₇₉	X₆₈₀	X₆₈₁	X₆₈₂	X₆₈₃	X₆₈₄	X₆₈₅	X₆₈₆	X₆₈₇	X₆₈₈	X₆₈₉	X₆₉₀	X₆₉₁	X₆₉₂	X₆₉₃	X₆₉₄	X₆₉₅	X₆₉₆	X₆₉₇	X₆₉₈	X₆₉₉	X₇₀₀	X₇₀₁	X₇₀₂	X₇₀₃	X₇₀₄	X₇₀₅	X₇₀₆	X₇₀₇	X₇₀₈	X₇₀₉	X₇₁₀	X₇₁₁	X₇₁₂	X₇₁₃	X₇₁₄	X₇₁₅	X₇₁₆	X₇₁₇	X₇₁₈	X₇₁₉	X₇₂₀	X₇₂₁	X₇₂₂	X₇₂₃	X₇₂₄	X₇₂₅

STATUS OF NEBRASKA AND SOUTH DAKOTA RESERVOIR DATA

May 1, 1963

BASIN and/or STREAM	RESERVOIR	USABLE CAPACITY 1000's AF	USABLE STORAGE - 1000's AF.			1943-57 15-Yr.
			1963	1962	1961	
<u>NEBRASKA</u>						
Kansas Basin	Bonny ^c	39.9	41.2	35.9	37.4	35.6*
Kansas Basin	Swanson Lake	116.1	116	116.5	115.7	93.8*
Kansas Basin	Enders	36.0	35.3	35.9	45.3	40.7*
Kansas Basin	Harry Strunk	33.9	34.3	33.7	38.5	37.0*
Kansas Basin	Harlan County	348.8	349	348.2	370.9	253.5*
Kansas Basin	Cedar Bluff ^k	176.8	172	173.8	185.1	135.1*
Kansas Basin	Lovewell ^k	37.3	27.3	37.4	29.7	35.5*
Kansas Basin	Kirwin ^k	88.8	99	88.4	85.2	54.7*
Kansas Basin	Webster ^k	64.9	65	64.6	67.1	54.1*
Kansas Basin	Kanopolis	48.1	48.1	N.R.	52.2	
<u>SOUTH DAKOTA</u>						
Belle Fourche	Belle Fourche	185.2	182	73.0	42.3	132.9
Cheyenne River	Angostura	92.0	90	18.7	7.2	52.1*
Cheyenne River	Deerfield	15.1	9	4.7	3.1	12.4*
Grand River	Shadehill	84.0	59	35.8	50.2	85.3*
Rapid Creek	Pactola	55.0	33	4.3	15.6	

c. Located in Colorado.

k. Located in Kansas.

* Average of all past data.

WYOMING SNOW SURVEYS - ABOUT MAY 1, 1963

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					
			1963			PAST RECORD		
			Date of Survey	Snow Depth (In.)	Water Content (In.)	Water Content 1962	Water Content 1961	Water Content 1943-57 Average
<u>MADISON RIVER - YELLOWSTONE PARK</u>								
Norris Basin $\frac{1}{2}$	10E2	7500	4/29	31	10.9	4.1	5.7	6.3e
21 Mile m	11E6	7150	4/28	34	11.2	11.4	16.4	14.5
West Yellowstone m	11E7	6700	4/29	12	4.6	5.0	5.4	5.6
<u>UPPER YELLOWSTONE - YELLOWSTONE PARK</u>								
Canyon	10E3	7750	5/1	41	14.5	15.5	10.0	12.6e
Northeast Entrance m	10D7MP	7400	4/30	22	7.2	3.8	6.6	6.0e
East Entrance $\frac{1}{2}$	9E5MP	7000	4/30	22	7.2	0.0	0.0	4.9e
Lake Camp #1	10E4M	7850	4/30	27	6.9	9.9	5.9	8.7e
Lake Camp #2	10E4M	7850	4/30	22	5.5	7.7	5.1	6.8e
Lupine Creek	10E1	7300	4/27	24	8.7	6.2	6.8	8.6e
Norris Basin $\frac{1}{2}$	10E2	7500	4/29	31	10.9	4.1	5.7	6.3e
Sylvan Pass $\frac{1}{2}$	10E5	7100	4/30	41	12.6	2.0	8.6	10.7e
<u>LOWER YELLOWSTONE - CLARK'S FORK</u>								
Lodgepole	9E1	8200	5/1	39	11.0	7.2	6.8	11.0e
<u>LOWER YELLOWSTONE - WIND RIVER</u>								
Dinwoodie Glaciers	9F17A	10500	No Report					
Big Warm	9F12	8800	4/26	24	8.4	6.2	5.7	8.5e
Burroughs Creek	9F4	8800	4/28	47	15.1	12.7	10.1	16.5e
Dinwoodie	9F10	10000	4/29	17	12.8	12.8	9.9	12.1e
Dry Creek	9F9	9500	4/29	33	8.2	5.9	6.5	6.2e
DuNoir	9F6	8750	4/26	25	8.7	6.5	3.8	7.9
Geyser Creek	9F7	8500	4/27	21	7.1	3.9	3.7	6.6e
Little Warm	9F8	9500	4/27	61	16.5	20.8	14.3	17.1e
Sheridan R. S. #2	9F14	7500	4/26	18	6.6	0.8	1.0	4.8e
T-Cross Ranch	9F3	8000	4/28	13	2.9	0.2	1.0	4.5e
Togwotee Pass $\frac{1}{2}$	10F9MP	9600	4/30	82	31.7	33.0	28.8	29.5e
Twenty Lakes	9F7A	10500	No Report					
<u>LOWER YELLOWSTONE - OWL CREEK</u>								
Owl Creek	8F1	8700	5/3	33	10.1	8.0	8.3	8.7e
<u>LOWER YELLOWSTONE - GREYBULL RIVER</u>								
Timber Creek #2	9E3	8800	5/1	21	6.6	1.7	3.7	4.9a
Wood River #2	9F15	8000	5/2	24	7.3	4.2	4.1	4.6a
Frontier Needle	9E6	10000	No Report					
Kirwin	9F19A	11000	No Report					

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	524	525	526	527	528	529	530	531	532	533	534	535	536	537	538	539	540	541	542	543	544	545	546	547	548	549	550	551	552	553	554	555	556	557	558	559	560	561	562	563	564	565	566	567	568	569	570	571	572	573	574	575	576	577	578	579	580	581	582	583	584	585	586	587	588	589	590	591	592	593	594	595	596	597	598	599	600	601	602	603	604	605	606	607	608	609	610	611	612	613	614	615	616	617	618	619	620	621	622	623	624	625	626	627	628	629	630	631	632	633	634	635	636	637	638	639	640	641	642	643	644	645	646	647	648	649	650	651	652	653	654	655	656	657	658	659	660	661	662	663	664	665	666	667	668	669	670	671	672	673	674	675	676	677	678	679	680	681	682	683	684	685	686	687	688	689	690	691	692	693	694	695	696	697	698	699	700	701	702	703	704	705	706	707	708	709	710	711	712	713	714	715	716	717	718	719	720	721	722	723	724	725	726	727	728	729	730	731	732	733	734	735	736	737	738	739	740	741	742	743	744	745	746	747	748	749	750	751	752	753	754	755	756	757	758	759	760	761	762	763	764	765	766	767	768	769	770	771	772	773	774	775	776	777	778	779	780	781	782	783	784	785	786	787	788	789	790	791	792	793	794	795	796	797	798	799	800	801	802	803	804	805	806	807	808	809	8010	8011	8012	8013	8014	8015	8016	8017	8018	8019	8020	8021	8022	8023	8024	8025	8026	8027	8028	8029	8030	8031	8032	8033	8034	8035	8036	8037	8038	8039	8040	8041	8042	8043	8044	8045	8046	8047	8048	8049	8050	8051	8052	8053	8054	8055	8056	8057	8058	8059	8060	8061	8062	8063	8064	8065	8066	8067	8068	8069	8070	8071	8072	8073	8074	8075	8076	8077	8078	8079	8080	8081	8082	8083	8084	8085	8086	8087	8088	8089	80810	80811	80812	80813	80814	80815	80816	80817	80818	80819	80820	80821	80822	80823	80824	80825	80826	80827	80828	80829	80830	80831	80832	80833	80834	80835	80836	80837	80838	80839	80840	80841	80842	80843	80844	80845	80846	80847	80848	80849	80850	80851	80852	80853	80854	80855	80856	80857	80858	80859	80860	80861	80862	80863	80864	80865	80866	80867	80868	80869	80870	80871	80872	80873	80874	80875	80876	80877	80878	80879	80880	80881	80882	80883	80884	80885	80886	80887	80888	80889	80890	80891	80892	80893	80894	80895	80896	80897	80898	80899	808100	808101	808102	808103	808104	808105	808106	808107	808108	808109	808110	808111	808112	808113	808114	808115	808116	808117	808118	808119	808120	808121	808122	808123	808124	808125	808126	808127	808128	808129	808130	808131	808132	808133	808134	808135	808136	808137	808138	808139	808140	808141	808142	808143	808144	808145	808146	808147	808148	808149	808150	808151	808152	808153	808154	808155	808156	808157	808158	808159	808160	808161	808162	808163	808164	808165	808166	808167	808168	808169	808170	808171	808172	808173	808174	808175	808176	808177	808178	808179	808180	808181	808182	808183	808184	808185	808186	808187	808188	808189	808190	808191	808192	808193	808194	808195	808196	808197	808198	808199	808200	808201	808202	808203	808204	808205	808206	808207	808208	808209	808210	808211	808212	808213	808214	808215	808216	808217	808218	808219	808220	808221	808222	808223	808224	808225	808226	808227	808228	808229	808230	808231	808232	808233	808234	808235	808236	808237	808238	808239	808240	808241	808242	808243	808244	808245	808246	808247	808248	808249	808250	808251	808252	808253	808254	808255	808256	808257	808258	808259	808260	808261	808262	808263	808264	808265	808266	808267	808268	808269	808270	808271	808272	808273	808274	808275	808276	808277	808278	808279	808280	808281	808282	808283	808284	808285	808286	808287	808288	808289	808290	808291	808292	808293	808294	808295	808296	808297	808298	808299	808300	808301	808302	808303	808304	808305	808306	808307	808308	808309	808310	808311	808312	808313	808314	808315	808316	808317	808318	808319	808320	808321	808322	808323	808324	808325	808326	808327	808328	808329	808330	808331	808332	808333	808334	808335	808336	808337	808338	808339	808340	808341	808342	808343	808344	808345	808346	808347	808348	808349	808350	808351	808352	808353	808354	808355	808356	808357	808358	808359	808360	808361	808362	808363	808364	808365	808366	808367	808368	808369	808370	808371	808372	808373	808374	808375	808376	808377	808378	808379	808380	808381	808382	808383	808384	808385	808386	808387	808388	808389	808390	808391	808392	808393	808394	808395	808396	808397	808398	808399	808400	808401	808402	808403	808404	808405	808406	808407	808408	808409	808410	808411	808412	808413	808414	808415	808416	808417	808418	808419	808420	808421	808422	808423	808424	808425	808426	808427	808428	808429	808430	808431	808432	808433	808434	808435	808436	808437	808438	808439	808440	808441	808442	808443	808444	808445	808446	808447	808448	808449	808450	808451	808452	808453	808454	808455	808456	808457	808458	808459	808460	808461	808462	808463	808464	808465	808466	808467	808468	808469	808470	808471	808472	808473	808474	808475	808476	808477	808478	808479	808480	808481	808482	808483	808484	808485	808486	808487	808488	808489	808

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Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					PAST RECORD	
			1963			Water Content (In.)	1962	1961	1943-57 Average
			Date of Survey	Snow Depth (In.)	Content (In.)				
<u>LOWER YELLOWSTONE - POPO AGIE RIVER</u>									
Blue Ridge	8G2	9500	4/23	44	12.5	12.0	7.6	13.6	
Hobbs Park	9G3	10000	5/1	61	19.1	20.1	15.2	20.9e	
Mosquito Park R.S.	9G4	9500	5/1	35	10.8	8.2	4.9	8.4e	
Sawmill Glade	8G1	8500	4/23	30	8.5	8.8	6.9	7.1	
South Pass +	8G3MP	9000	4/22	54	15.4	14.5	10.0	16.3	
St. Lawrence R.S.	9F11	9000	4/30	31	8.8	7.8	4.3	7.7e	
Trout Creek	9G2	8400	5/1	12	4.1	0.0	1.3	3.2e	
<u>LOWER YELLOWSTONE - SHOSHONE RIVER</u>									
East Entrance +	9E5MP	7000	4/30	22	7.2	0.0	0.0	4.9e	
Carter Mountain	9E4M	7800	4/30	28	9.2	4.7	4.7	5.0a	
Sylvan Pass +	10E5	9200	4/30	41	12.6	2.6	8.6	10.7e	
Togwotee Pass +	10F9MP	9600	4/30	82	31.7	33.0	28.8	29.5e	
<u>LOWER YELLOWSTONE - NOWOOD CREEK</u>									
Bear Trap +	7F1A	8000	5/1	18	6.2	9.2	8.6		
Canyon Creek +	7F2	7400	5/1	45	17.9	10.2	15.5		
Cold Springs Camp	7E25	8700	4/28	36	10.2	6.4	8.2	6.8a	
Medicine Lodge Lakes	7E24M	9500	4/28	57	15.9	12.8	13.0	12.2a	
Munkres Pass +	7E8	9700	4/30	45	12.4	10.7	8.0	9.8e	
Onion Gulch +	7E27M	8100	4/26	29	9.3	12.3	8.7	9.3a	
Tensleep R.S.	7E7	8300			NO REPORT	N.R.	N.R.	4.4	
Tyrell R.S.	7E35	8300	4/27	36	11.6	8.8	5.5	7.8e	
West Tensleep Lake	7E26A	9075	4/27	48	12.8	14.6	9.3	11.7a	
<u>LOWER YELLOWSTONE - SHELL CREEK</u>									
Bald Mountain +	7E21M	9600	4/25	76	27.9	24.5	25.2	24.4a	
Beaver Tongue +	7E20	9200	4/25	67	22.9	21.3	22.0	21.4a	
Bone Spring Divide +	7E18A	9200	4/28	85	22.8	20.9	18.8	20.2a	
Granite Pass +	7E17P	8950	4/28	76	19.5	19.7	17.2	19.7a	
Ranger Creek	7E4	8800	4/29	45	12.9	8.8	7.6	7.5e	
Shell Creek	7E23A	9600	4/29	74	21.4	18.6	15.0	16.4a	
<u>LOWER YELLOWSTONE - PORCUPINE CREEK</u>									
Five Springs Falls	7E31	7500	4/29	32	11.0	2.0	7.8	6.0a	
Medicine Wheel	7E30	9000	4/25	59	21.4	13.3	18.4	17.0a	

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Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					PAST RECORD		
			1963			Water Content (In.)	Water Content (In.)	1943-57		
			Date of Survey	Snow Depth (In.)	Content (In.)			1962	1961	Average
<u>LOWER YELLOWSTONE - TONGUE RIVER</u>										
Beaver Tongue $\frac{1}{2}$	7E20	9200	4/25	67	22.9	21.3	22.0	21.4a		
Big Goose #2	7E32M	7700	4/30	43	12.6	6.5	7.7	8.6a		
Bone Spring Divide $\frac{1}{2}$	7E18A	9200	4/28	85	22.8	20.9	18.8	20.2a		
Burgess R.S. #2	7E33P	7900	4/26	27	9.4	5.1	7.1	8.1a		
Dome Lake #2	7E34A	8800	4/29	68	17.2	11.0	10.8	12.8a		
Gloom Creek	7E14A	9300	4/27	57	14.9	15.1	16.4	16.7		
Granite Pass $\frac{1}{2}$	7E17P	8950	4/28	76	19.5	19.7	17.2	19.7a		
North Tongue	7E15	8800	4/26	39	13.5	10.0	10.0			
Sibley Lake	7E11	8000	4/29	63	18.3	8.0	9.3	10.4a		
Steamboat Point	7E10	7500	4/29	58	17.3	5.3	7.5	9.5a		
Sucker Creek	7E12A	9000	4/27	49	16.0	13.0	13.4	14.5a		
Wood Rock G.S.	7E13	8500	4/27	44	12.3	9.6	11.4	12.0a		
Geneva Pass	7E17P	8950	4/29	87	26.0A	N.R.				
<u>LOWER YELLOWSTONE - POWDER RIVER</u>										
Bear Trap $\frac{1}{2}$	7F1A	8000	5/1	18	6.2	9.2	8.6			
Canyon Creek $\frac{1}{2}$	7F2	7100	5/1	45	17.9	10.2	15.5			
Muddy Creek G.S.	6E2	7500	5/1	12	3.7	0.0	4.2	3.3a		
Munkres Pass $\frac{1}{2}$	7E8	9700	4/30	45	12.4	10.7	8.0	9.8e		
Onion Gulch $\frac{1}{2}$	7E27M	8100	4/26	29	9.3	12.3	8.7	9.3a		
Soldier Park	7E5	8700	4/30	38	10.9	5.4	6.3	6.1e		
Sour Dough	6E1	8500	5/1	31	8.6	6.2	6.9	6.6e		
Cloud's Peak	7E36A	10000	4/29	75	21.5A	N.R.				
<u>NORTH PLATTE - SWEETWATER</u>										
Grannier Meadows	8GL	9000	4/22	50	16.0	15.6	7.1	15.5		
Larsen Creek	9G6A	9000	4/28	48	12.8	10.5	7.8	7.8e		
South Pass $\frac{1}{2}$	8G3MP	9000	4/22	54	15.4	14.5	10.0	16.3		
<u>NORTH PLATTE - CROW CREEK</u>										
Pole Mountain $\frac{1}{2}$	5H1	8700	5/3		TRACE	0.3	1.5	2.7e		
<u>NORTH LARAMIE MOUNTAINS</u>										
Boxelder #2 $\frac{1}{2}$	5G1	9000	4/30	12	4.0	4.2	6.1			
Casper Mountain $\frac{1}{2}$	6G1MP	8700	5/1	39	14.9	9.1	14.8	12.9a		
LaBonte $\frac{1}{2}$	5G2	8450	4/28	6	0.9	0.0	0.0	0.0a		

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Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					
			Date of Survey	1963		PAST RECORD		
				Snow Depth (In.)	Water Content (In.)	Water 1962	Content 1961	(In.) 1943-57 Average
<u>NORTH PLATTE - LARAMIE RIVER</u>								
Albany $\frac{1}{2}$	6H11A	9400	5/3	23	10.4	9.6	9.6	11.5e
Brooklyn Lake #2	6H1MP	10200	4/26	53	19.2	23.3	20.4	23.5e
Cameron Pass $\frac{1}{2}$	5J1	10300	4/26	45	19.8	36.5	27.5	25.6
Chambers Lake ^c	5J2	9000	4/27	2	1.0	2.3	8.0	4.9
Deadman Hill ^c $\frac{1}{2}$	5J6	10300	4/25	38	14.7	17.7	17.0	17.7
Evans $\frac{1}{2}$	6H15	9000	4/26	23	9.7	9.3	9.5	
Foxpark $\frac{1}{2}$	6H12P	9200	5/1	7	2.9	3.9	5.6	5.0
Hairpin Turn #2	6H2	9500	4/26	32	12.0	10.9	10.1	12.2
Hairpin Turn #3	6H2	9500	4/26	32	13.9	12.6	11.7	
LaBonte $\frac{1}{2}$	5G2	8450	4/28	6	0.9	0.0	0.0	0.0a
Libby Lodge	6H3	8700	4/26	42	18.4	6.3	8.5	7.8
Lost Lake ^c	5J23	9300	4/27	14	5.6	9.1	10.9	8.4e
McIntyre ^c	5J15	9100	4/27	24	5.7	8.0	10.1	9.0e
Pole Mountain #2 $\frac{1}{2}$	5H1	8700	5/3	TRACE		0.3	1.5	2.7e
Roach ^c $\frac{1}{2}$	6J12	9800	4/27	50	11.5	20.0	17.4	20.9
<u>NORTH PLATTE - ABOVE SEMINOE RESERVOIR</u>								
Albany $\frac{1}{2}$	6H11A	9400	5/3	23	10.4	9.6	9.6	11.5e
Bottle Creek	6H8	8200	5/2	25	10.8	9.7	9.0	10.7
Boxelder #2 $\frac{1}{2}$	5G1	9000	4/30	12	4.0	4.2	6.1	
Cameron Pass ^c $\frac{1}{2}$	5J1	10300	4/26	45	19.8	36.5	27.5	25.6
Casper Mountain $\frac{1}{2}$	6G1MP	8700	5/1	39	14.9	N.R.	14.8	12.9a
Columbine ^c	6J3	9300	4/29	53	21.9	23.2	20.0	21.3
Evans $\frac{1}{2}$	6H15	9000	4/26	23	9.7	9.3	9.5	
Foxpark $\frac{1}{2}$	6H12P	9200	5/1	7	2.9	3.9	5.6	5.0
LaBonte $\frac{1}{2}$	5G2	8450	4/28	6	0.9	0.0	0.0	0.0a
North Barrett Creek	6H5AM	9400	5/1	49	18.2	N.R.	19.2	19.4
North French Creek	6H4AP	10200	5/1	79	29.7	36.0	30.0	32.4
Northgate ^c	6J7	8500	4/26	1	0.4	4.0	5.4	
Old Battle $\frac{1}{2}$	6H10P	9800	5/2	84	32.6	32.1	27.6	34.1
Park View ^c	6J2	9200	4/26	4	1.0	9.1	8.7	6.5
Roach ^c $\frac{1}{2}$	6J12	9800	4/27	50	11.5	20.0	17.4	20.9
Ryan Park	6H6A	8400	5/1	9	3.4	6.2	9.9	7.4
Webber Springs	6H9M	9000	5/2	44	17.6	15.2	12.7	16.1
Willow Creek Pass ^c	6J5	9500	4/26	14	5.5	14.3	13.2	11.5
Rock Creek	6H14A	9800	4/30	80	28.7			
Rabbit Ears	6J9	9550	4/30	57	21.3	28.4		26.1e

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Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS				
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				1962	1961	Average	1943-57

GREEN RIVER - ABOVE GREEN RIVER

Big Sandy Opening	9G9P	9220	4/30	47	14.3	12.4	9.7	
Dutch Joe R.S.	9G5	8700	4/30	24	9.4	5.7	4.8	4.5e
East Rim Divide	10F17MP	7950	4/30	27	9.1	11.6	5.8	10.5e
Elk Heart Park	9F23P	9400	5/1	44	14.5	16.9	11.1	
Gros Ventre	10F19A	8750	5/2	37	12.1	11.9	10.4	10.8e
Kendall R.S. #1	10F15	7900	5/2	18	7.1	7.1	3.6	6.9e
Kendall R.S. #2	10F15	7900	5/2	28	11.4	8.1	4.2	
Loomis Park #1	10F16	8500	4/30	45	18.5	16.6	9.6	14.0e
Loomis Park #2	10F16	8500	4/30	49	19.8	18.1	9.9	
Mulligan Park	9G1	8900	5/1	26	9.7	11.0	7.0	8.0
New Fork Lake	9F21	8325	5/1	33	12.7	10.4	7.2	
North Horse Creek	10G16	8200	4/30	46	19.3	N.R.	7.7	
Piney LaBarge #1	10G10	8820	4/28	52	20.0	20.8	8.4	15.2e
Piney LaBarge #2	10G10	8820	4/28	59	23.6	23.0	10.5	
Packet Creek	9G11	9360	4/30	37	12.2	14.7	11.0	
Poison Meadows	10G6A	8500	4/28	82	30.7	37.1	20.5	30.8a
Snyder Basin #2	10G13MP	8040	4/28	41	16.3	15.1	5.0	11.3e
Soda Lake	10G14	8300	4/29	46	17.1	14.4	8.8	15.8e
South Pass	8G3MP	9000	4/22	54	15.4	14.5	10.0	16.3
Triple Peaks	10G15	8500	4/29	67	26.4	25.1	16.6	27.9e

GREEN RIVER - BELOW GREEN RIVER

Buck Pasture	10J23A	9700	4/23	52	15.3A	N.R.		
Big Park +	10G11	8700	4/27	59	20.6	22.1	12.3	18.4a
Blacks Fork Jct. ^u	10J22	8925	4/22	30	8.3	5.8	7.1	
East Fork Blacks Fk. ^u	10J21	9300	4/29	30	8.7	9.5	7.0	
Elk River ^c	6J4	8700	4/29	39	12.6	15.3	11.3	12.8
Hewinta R.S. ^u	10J4	9500	4/22	34	10.8	5.8	9.8	
Hickerson Park ^u	9J8	9100	4/24	13	3.0	3.9	6.8	
Kelly R.S. +	10G12	8200	4/27	47	16.3	19.2	10.3	16.0
Old Battle +	6H10P	9800	5/1	84	32.6	29.4	27.6	34.1
Spirit Lake ^u	9J7	10300	4/23	38	9.8	16.2	15.6	
Lake Fork Basin	10J25	11100	4/23	65	17.6A	20.5A		
Henry's Fork	10J24A	10200	4/23	33	9.8A			

SNAKE RIVER - ABOVE JACKSON LAKE

Grassy Lake	10E15	7265	4/30	73	28.7	31.1	26.9	32.4
Lewis Lake Divide	10E9	7900	4/30	89	35.4	44.3	38.9	

WYOMING SNOW SURVEYS - ABOUT MAY 1, 1963

Drainage Basin and Snow Course	Number or State	Elev.	SNOW COVER MEASUREMENTS					
			1963			PAST RECORD		
			Date of Survey	Snow Depth (In.)	Water Content (In.)	Water Content (In.)	1962	1961
<u>JACKSON LAKE TO PALISADES</u>								
Blind Bull Summit	10G12A	8750	4/29	30	12.5A	N.R.	N.R.	33.4e
Afton R.S.	10G1	6200	4/30	0	0.0	0.0	0.0	0.0
Bryan Flat	10F14	6250	4/30	0	0.0	2.3	0.0	2.2e
CCC Camp ⁺	10G7	7500	4/29	19	7.8	0.0	0.0	6.0e
East Rim Divide ⁺	10F17MP	7950	4/30	27	9.1	11.6	5.8	10.5e
Greys Boundary	10F18	5800	4/29	TRACE	0.0	0.0	0.0	0.7
Gros Ventre ⁺	10F19	8750	5/2	37	12.1	16.6	10.1	10.8e
Grover Park Divide	10G3	7500	4/29	28	12.1	0.0	4.3	7.1e
Loomis Park #1 ⁺	10F16	8500	4/30	45	18.5	11.9	9.6	14.0e
Loomis Park #2 ⁺	10F16	8500	4/30	49	19.8	18.1	9.9	
Poison Meadows ⁺	10G6A	8500	4/28	82	30.7	37.1	20.5	30.8e
Salt River Summit ⁺	10G8MP	7900	4/29	45	14.2	10.6	5.7	10.8e
Snow King Mtn. #3	10F20M	7600	4/30	34	12.9	9.7	6.9	
Teton Pass #2	10F13	8500	4/26	88	29.8	34.0	27.4	39.2e
Togwotee Pass ⁺	10F9MP	9600	4/30	82	31.7	33.0	28.8	29.5e
Yellowjacket	10F10	7675	4/30	0	0.0	0.0	0.0	
Cottonwood								
BEAR RIVER	10G5A	7500	4/29	30	12.5A	N.R.	N.R.	16.9
<u>Big Park ⁺</u>								
CCC Camp ⁺	10G11A	8700	4/27	59	20.6	22.1	12.3	18.4a
Goodman Ranch ^U	10G7	7500	4/29	19	7.8	0.0	0.0	6.0e
Hayden Fork ^U	10J6	7900	4/30	0	0.0	0.0	0.0	
Kelly R.S. ⁺	10J7	9300	4/30	44	17.6	16.3	8.6	
Monte Cristo ^U	11H12	8960	4/29	75	27.3	24.2	15.4	
Poison Meadows ⁺	10G6	8500	4/28	82	30.7	37.1	20.5	30.8a
Salt River Summit ⁺	10G8MP	7900	4/29	45	14.2	10.6	5.7	10.8e
Still Water Camp ^U	10J17	8550	4/30	22	8.0	2.8	4.9	
Trial Lake ^U	10J8	9800	4/29	88	28.2	32.4	16.3	
Steel Creek Park ^U	10J19	9900	4/23	44	13.0	13.3		

- a. Average of all past data.
- e. 1943-57 partially estimated.
- c. Colorado snow courses.
- m. Montana snow courses.
- u. Utah snow courses
- ⁺ Located close to divide
- A. Aerial stadia marker, water content estimated.
- M. Soil moisture stack.
- P. Pearson storage gage.

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